



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE


CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010589
CERTIFICATION DATE: November 21, 2013
DATE RECERTIFICATION DUE: May 20, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

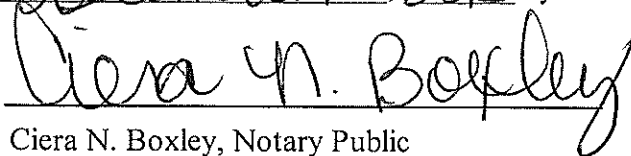


Melissa Kennedy

Program Manager, Calibration & Training

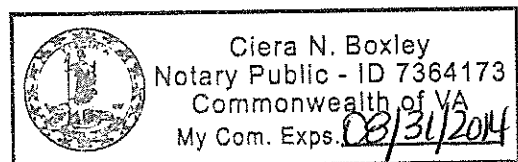
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of
December, 2013 by Melissa Kennedy



Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014





DBH
WAL

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/25/2013**

Instrument Serial Number: 010589

As of 25-Nov-13

Maintenance Date	Certification Date	Technician Initials	Remarks
21-Nov-13	21-Nov-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
04-Jun-13	04-Jun-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
18-Dec-12	18-Dec-12	DBH (21250)	CERTIFIED.
10-Jul-12	10-Jul-12	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Jan-12	25-Jan-12	DBH (21250)	CERTIFIED
03-Aug-11	03-Aug-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
24-Feb-11	24-Feb-11	DBH (21250)	CERTIFIED
15-Sep-10	15-Sep-10	DBH (21250)	CERTIFIED
07-Jun-10	30-Mar-10	DBH (21250)	REPLACED DRY GAS STANDARD
30-Mar-10	30-Mar-10	DBH (21250)	CERTIFIED
14-Oct-09	14-Oct-09	DBH (21250)	CERTIFIED.
05-May-09	05-May-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
06-Jan-09	06-Jan-09	NMJ (22392)	CERTIFIED.
26-Nov-08	26-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
MJK

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010589 Worksheet Start Date 11/21/2013
Location Waynesboro PD
Address 250 S Wayne Ave Waynesboro VA 22980
DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no. New serial no. Supplies
E-Seek Mouthpieces
Keyboard Certificates of Analysis
Printer Operator Worksheet
UPS Other:

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010589

Certification Date 11/21/2013

Instrument Barometer (mm HG) 740

Reference Barometer (mm HG) 740

Reference Barometer(RB)Serial # 009109

RB Calibration Due 8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.241
0.250	0.243	0.235	0.250	Sample 2	0.241
Precision		sample min	sample max	Sample 3	0.241
0		0.241	0.241		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.145
0.150	0.146	0.141	0.150	Sample 2	0.145
Precision		sample min	sample max	Sample 3	0.145
0		0.145	0.145		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.078	0.075	0.081	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.019	0.016	0.022	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG219101-15

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.097
0.100	0.097	0.094	0.100	Sample 2	0.097
Precision		sample min	sample max	Sample 3	0.097
0		0.097	0.097		

DFS Technician

Donald B Hall

Date

11/25/13

Issuing Analyst

Helena Kennedy

Date

12/1/13

DBH

MSL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/21/2013
TEST EQUIPMENT NUMBER 010589		

RESULTS: TIME SAMPLE TAKEN 10:15 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 25 Nov 2013 at 12:11

DBH

WHL

Test Results

Instrument Serial Number 010589

Test # 000766 Subject Test

Test Location 1 Department of

Test Date 21 Nov 2013

Test Location 2 Forensic Science

Test Time 10:09

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 21250

Subject's First Name TEST

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 21 Nov 2013 End Time 10:16

Result Time 10:15

Result Date 21 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:09

Data Type BLK

Sample Value 0.000

Sample Time 10:10

Data Type CHK

Sample Value 0.097

Sample Time 10:10

Data Type BLK

Sample Value 0.000

Sample Time 10:12

Data Type SUBJ

Sample Value 0.000

Sample Time 10:13

Data Type BLK

Sample Value 0.000

Sample Time 10:13

Data Type SUBJ

Sample Value 0.000

Sample Time 10:15

Data Type BLK

Sample Value 0.000

Sample Time 10:16

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG204704-24

Standard Expiration Date 02/16/2014

Tank Pressure 561

Barometric Pressure 739 mmHg

Blow Sample Number 1 Blow Duration 3.41 sec

Blow Volume 1943 cc End-of-Blow Time 10:13

Blow Sample Number 2 Blow Duration 3.64 sec

Blow Volume 1963 cc End-of-Blow Time 10:15

Tamper Evident Stamp 1cb05bd8

Test Status Code 0

Test Status Success

DB/H

Wde

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010589 Test Number: 767

Test Date: 11/21/2013 Test Time: 10:17 EST

Dry Gas Target: 0.097

Lot Number: AG204704-24 Exp Date: 02/16/2014

Tank Pressure: 556 psi Barometric Pressure: 739 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:18
CHK	0.097	10:19
BLK	0.000	10:20
CHK	0.096	10:21
BLK	0.000	10:22
CHK	0.096	10:23

Test Status: *Success*

Calibration CRC: 4E16D697

DBH

WJL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010589 Test Number: 768

Test Date: 11/21/2013 Test Time: 10:27 EST

Dry Gas Target: 0.292

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 507 psi Barometric Pressure: 739 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:28
CHK	0.290	10:29
BLK	0.000	10:30
CHK	0.290	10:31
BLK	0.000	10:32
CHK	0.290	10:33

Test Status: *Success*

Calibration CRC: 4E16D697

DBH

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010589 Test Number: 769

Test Date: 11/21/2013 Test Time: 10:36 EST

Technician Initials: DBH

Dry Gas Target: 0.097

Lot Number: AG204704-24 Exp Date: 02/16/2014

Tank Pressure: 546 psi Barometric Pressure: 739 mmHg

Test	g/210L	Time
DIAG	Pass	10:37
BLK	0.000	10:37
CHK	0.096	10:38
BLK	0.000	10:39
CHK	0.096	10:40
BLK	0.000	10:41
CHK	0.096	10:42
BLK	0.000	10:43

Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

PERFORMED ONE-POINT CERTIFICATION IN
PREPARATION FOR FIRMWARE /SOFTWARE UPGRADE
DUE TO CERTIFICATION WARNING ON DISPLAY.

DBH

11/21/13

Intox EC/IR-II: Software Version*Department of Forensic Science*

Serial Number: 010589

System Date: 11/21/2013

System Time: 11:09 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DB/H

WHL

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010589 Test Number: 770

Test Date: 11/21/2013 Test Time: 11:06 EST

Dry Gas Target: 0.097

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 360 psi Barometric Pressure: 739 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:07
CAL	0.097	11:07

Test Status: *Success*

Calibration CRC: A54237C4

DBH

ADH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010589 Test Number: 771

Test Date: 11/21/2013 Test Time: 11:11 EST

Technician Initials: DBH

Dry Gas Target: 0.243

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 110 psi Barometric Pressure: 738 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:12
BLK	0.000	11:12
CHK	0.241	11:13
BLK	0.000	11:15
CHK	0.241	11:16
BLK	0.000	11:17
CHK	0.241	11:18
BLK	0.000	11:20

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

MSH

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010589 Test Number: 772
Test Date: 11/21/2013 Test Time: 11:22 EST

Technician Initials: DBH
Dry Gas Target: 0.146
Lot Number: 2951215012-03 Exp Date: 11/01/2014
Tank Pressure: 561 psi Barometric Pressure: 738 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:22
BLK	0.000	11:23
CHK	0.145	11:24
BLK	0.000	11:25
CHK	0.145	11:26
BLK	0.000	11:28
CHK	0.145	11:28
BLK	0.000	11:30

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010589 Test Number: 773

Test Date: 11/21/2013 Test Time: 11:32 EST

Technician Initials: DBH

Dry Gas Target: 0.078

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 80 psi Barometric Pressure: 738 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:33
BLK	0.000	11:33
CHK	0.078	11:34
BLK	0.000	11:35
CHK	0.078	11:36
BLK	0.000	11:37
CHK	0.078	11:38
BLK	0.000	11:39

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

NWCL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010589 Test Number: 774

Test Date: 11/21/2013 Test Time: 11:42 EST

Technician Initials: DBH

Dry Gas Target: 0.019

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 914 psi Barometric Pressure: 738 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:42
BLK	0.000	11:43
CHK	0.019	11:44
BLK	0.000	11:45
CHK	0.019	11:46
BLK	0.000	11:47
CHK	0.019	11:48
BLK	0.000	11:49

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010589 Test Number: 775

Test Date: 11/21/2013 Test Time: 11:52 EST

Dry Gas Target: 0.291

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 502 psi Barometric Pressure: 738 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:53
CHK	0.293	11:54
BLK	0.000	11:55
CHK	0.293	11:56
BLK	0.000	11:58
CHK	0.293	11:59

Test Status: *Success*

Calibration CRC: A54237C4

DBH

NXL

DBH

Intox EC/IR-II: Accuracy Check

NOK

Department of Forensic Science

Serial Number: 010589 Test Number: 776

Test Date: 11/21/2013 Test Time: 12:02 EST

Dry Gas Target: 0.097

Lot Number: AG219101-15 Exp Date: 07/09/2014

Tank Pressure: 762 psi Barometric Pressure: 738 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:02
CHK	0.097	12:03
BLK	0.000	12:05
CHK	0.097	12:06
BLK	0.000	12:07
CHK	0.097	12:08

Test Status: *Success*

Calibration CRC: A54237C4




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/21/2013
TEST EQUIPMENT NUMBER 010589		

RESULTS: TIME SAMPLE TAKEN 12:16 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 25 Nov 2013 at 12:10

DBH

MBK

Test Results

Instrument Serial Number 010589

Test # 000777 Subject Test

Test Location 1 Department of
Test Date 21 Nov 2013

Test Location 2 Forensic Science
Test Time 12:10
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 21 Nov 2013 End Time 12:17

Result Time 12:16

Result Date 21 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:10

Data Type BLK

Sample Value 0.000

Sample Time 12:11

Data Type CHK

Sample Value 0.097

Sample Time 12:12

Data Type BLK

Sample Value 0.000

Sample Time 12:13

Data Type SUBJ

Sample Value 0.000

Sample Time 12:14

Data Type BLK

Sample Value 0.000

Sample Time 12:15

Data Type SUBJ

Sample Value 0.000

Sample Time 12:16

Data Type BLK

Sample Value 0.000

Sample Time 12:17

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG219101-15

Standard Expiration Date 07/09/2014

Tank Pressure 757

Barometric Pressure 738 mmHg

Blow Sample Number 1 Blow Duration 3.56 sec

Blow Volume 2076 cc End-of-Blow Time 12:14

Blow Sample Number 2 Blow Duration 3.42 sec

Blow Volume 2050 cc End-of-Blow Time 12:16

Tamper Evident Stamp 9b4877ce

Test Status Code 0

Test Status Success